# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re NEW DIVISIONAL Application	
Yasuhiko TAKEMURA et al.	) Art Unit: 2822
Based on U.S. Serial No. 09/311,067	) Examiner: M. Prenty
Which was Filed: May 31, 1999	
For: SEMICONDUCTOR DEVICE AND METHOD FOR	) Date: December 28, 2001
MANUFACTURING THE SAME	)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on 2001.

# INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

Washington, D.C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, it is requested that the reference(s) listed on the attached Form PTO-1449 be made of record in the above-identified application. Copies of the references are submitted herewith in accordance with 37 C.F.R. 1.98(a).

The enclosed listed references were cited in family application Serial Nos. 08/313,910, 08/966,975 and 09/311,067.

The Commissioner is hereby authorized to charge fees under 37 C.F.R. §§1.16, 1.17, 1.20(a), 1.20(b), 1.20(c), and 1.20(d) (except the Issue Fee) which may be required now or hereafter, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

Eric J. Robinson Reg. No. 38,285

NIXON PEABODY LLP 8180 Greensboro Drive, Suite 800 McLean, Virginia 22102 (703) 790-9110 Form PTO-1449 (Rev. 8-83) U.S.Department of Commerce Patent and Trademark Office

**Atty Docket** 0756-2413

Serial No.

INFORMATION DISCLOSURE STATEMENT

Applicants: Yasuhiko TAKEMURA et al.

Filing Date: December 28, 2001

Group Art Unit

## **U.S. PATENT DOCUMENTS**

O.O. PATENT DOCUMENTO					
Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
3,597,667	08/03/1971	Horn.F		<del> </del>	
4,313,782	02/02/1982	Sokoloski.J			<del> </del>
4,447,272	05/08/1984	Saks.N		<del> </del>	<del>-  </del>
4,951,100	08/21/1990	Parrillo.L			
5,102,813	04/07/1992	Kobayashi et al.	_		
5,142,344	08/25/1992	Yamazaki.S			
5,212,119	05/18/1993	Hah.H et al.			
5,292,675	03/08/1994	Codama.M	-		
5,306,651	04/26/1994	Masumo.K			
5,324,974	06/28/1994	Liao.l			
5,426,315	06/20/1995	Pfiester.J			
5,466,617	11/14/1995	Shannon.J			
5,476,802	12/19/1995	Yamazaki.S et al.			
5,504,020	04/02/1996	Aomori.S et al.	-   -		
5,508,209	04/16/1996	Zhang.H et al.			
5,523,257	06/04/1996	Yamazaki.S et al.			
5,580,381	12/03/1996	Yamagata.K			
5,719,065	02/17/1998	Takemura.Y et al.			
5,945,711	08/31/1999	Takemura.Y et al.			<u> </u>
	3,597,667 4,313,782 4,447,272 4,951,100 5,102,813 5,142,344 5,212,119 5,292,675 5,306,651 5,324,974 5,426,315 5,466,617 5,476,802 5,504,020 5,508,209 5,523,257 5,580,381 5,719,065	Document Number         Date           3,597,667         08/03/1971           4,313,782         02/02/1982           4,447,272         05/08/1984           4,951,100         08/21/1990           5,102,813         04/07/1992           5,142,344         08/25/1992           5,212,119         05/18/1993           5,292,675         03/08/1994           5,306,651         04/26/1994           5,324,974         06/28/1994           5,426,315         06/20/1995           5,466,617         11/14/1995           5,476,802         12/19/1995           5,504,020         04/02/1996           5,508,209         04/16/1996           5,580,381         12/03/1996           5,719,065         02/17/1998	Document Number         Date         Name           3,597,667         08/03/1971         Horn.F           4,313,782         02/02/1982         Sokoloski.J           4,447,272         05/08/1984         Saks.N           4,951,100         08/21/1990         Parrillo.L           5,102,813         04/07/1992         Kobayashi et al.           5,142,344         08/25/1992         Yamazaki.S           5,212,119         05/18/1993         Hah.H et al.           5,292,675         03/08/1994         Codama.M           5,306,651         04/26/1994         Masumo.K           5,324,974         06/28/1994         Liao.I           5,426,315         06/20/1995         Pfiester.J           5,466,617         11/14/1995         Shannon.J           5,476,802         12/19/1995         Yamazaki.S et al.           5,504,020         04/02/1996         Aomori.S et al.           5,508,209         04/16/1996         Yamazaki.S et al.           5,580,381         12/03/1996         Yamagata.K           5,719,065         02/17/1998         Takemura.Y et al.	Document Number         Date         Name         Class           3,597,667         08/03/1971         Horn.F           4,313,782         02/02/1982         Sokoloski.J           4,447,272         05/08/1984         Saks.N           4,951,100         08/21/1990         Parrillo.L           5,102,813         04/07/1992         Kobayashi et al.           5,142,344         08/25/1992         Yamazaki.S           5,212,119         05/18/1993         Hah.H et al.           5,292,675         03/08/1994         Codama.M           5,306,651         04/26/1994         Masumo.K           5,324,974         06/28/1994         Liao.I           5,426,315         06/20/1995         Pfiester.J           5,466,617         11/14/1995         Shannon.J           5,476,802         12/19/1995         Yamazaki.S et al.           5,504,020         04/02/1996         Aomori.S et al.           5,508,209         04/16/1996         Zhang.H et al.           5,580,381         12/03/1996         Yamagata.K           5,719,065         02/17/1998         Takemura.Y et al.	Document Number         Date         Name         Class         Subclass           3,597,667         08/03/1971         Horn.F           4,313,782         02/02/1982         Sokoloski.J           4,447,272         05/08/1984         Saks.N           4,951,100         08/21/1990         Parrillo.L           5,102,813         04/07/1992         Kobayashi et al.           5,142,344         08/25/1992         Yamazaki.S           5,212,119         05/18/1993         Hah.H et al.           5,292,675         03/08/1994         Codama.M           5,306,651         04/26/1994         Masumo.K           5,324,974         06/28/1994         Liao.I           5,426,315         06/20/1995         Pfiester.J           5,466,617         11/14/1995         Shannon.J           5,476,802         12/19/1995         Yamazaki.S et al.           5,504,020         04/02/1996         Aomori.S et al.           5,508,209         04/16/1996         Yamazaki.S et al.           5,580,381         12/03/1996         Yamagata.K           5,719,065         02/17/1998         Takemura.Y et al.

## **FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	<u>Translati</u> Yes	i <u>on</u> No
	02-159730	06/19/1990	JP			Full Eng	Γ
	03-280420	12/11/1991	JP			Full Eng	$\vdash$
	04-180219	06/26/1992	JP			Eng Abst	$\top$
	04-299566	05/18/1993	JP			Eng Abst	
	05-055581	03/05/1993	JP			Full Eng	T
	05-055582	03/05/1993	JP			Full Eng	<del>                                     </del>
•	05-082442	04/02/1993	JP			Full Eng	Т
	05-226364	09/03/1993	JP			Eng Abst	T

Examiner Date Considered

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this formwith next communication to applicant.

Form PTO-1449 U.S.Department of Commerce (Rev. 8-83) Patent and Trademark Office

**Atty Docket** 0756-2413

Serial No.

INFORMATION DISCLOSURE STATEMENT

Applicants: Yasuhiko TAKEMURA et al.

Filing Date: December 28, 2001 **Group Art Un** 

Unassigned.

### **FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	<u>Translati</u> Yes	i <u>on</u> No
	05-232515	09/10/1993	JP			Eng Abst	T
	05-259458	10/08/1993	JP			Eng Abst	T
	06-169086	06/14/1994	JP			Eng Abst	T
	06-232160	08/19/1994	JP			Eng Abst	T
	55-041703	03/24/1980	JP			Eng Abst	$\top$
	58-037967	03/05/1983	JP			Eng Abst	T
	60-136259	07/19/1985	JP			Eng Abst	T
	62-084562	04/18/1987	JP			Eng Abst	1
	WO 92-10788	06/25/1992	PCT	i		Full Eng	†
	WO 92-14268	08/20/1992	PCT	i		Full Eng	T

#### OTHER DOCUMENT

(Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	
	Okuyama et al., "Water-Related Threshold Voltage Instability of Polysilicon TFT's", pp. 527-530, 1993, IEDM 93
	Bonnel et al., "Si Poly TFT's wth Low Off Current for Flat Panel Displays", pp. 199-202, 1993, EURO DISPLAY '93
	Shimoyama et al., "Increased Hot-Carrier Degradation Due to Water in TEOS/O3-Oxide", pp. 723, 1992, Extended Abstracts (The 39th Spring Meeting, 1992); The Japan Society of Applied Physics and Related Societies, No. 2, 30p-ZM-3, (English Abstract only)
	Shimoyama et al., "Increased Hot-Carrier Degradation Due to Water in TEOS/O3-Oxide(2) - Water Blocking Effect of an ECR-SiO2 Film Under TEOS/O3-Oxide and Improvement of Hot-Carrier Tolerance", pp. 723, 1992, Extended Abstracts (The 39th Spring Meeting); The Japan Society of Applied Physics and Related Societies, No. 2, 30p-ZM-4, (English Abstract)

Examiner

Date Considered

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this formwith next communication to applicant.